Amendments to the Specification

Please replace the title of the invention with the following amended title of the invention:

~~PRODUCT CARD GENERATION, LABELING, INSPECTION, AND/OR AUTHENTICATION SYSTEM~~

AUTOMATED REAGENTLESS SYSTEM OF PRODUCT FINGERPRINT AUTHENTICATION AND TRADEMARK PROTECTION

Please replace the paragraph beginning at page 20, paragraph [0042], with the following amended paragraph:

Figure 4d illustrates a container 40 containing a product ~~48~~47. This container 40 is equipped with an optical cell 48 which the probing radiation PR and the analyzed radiation AR freely traverse the optical cell.

Please add the following new paragraph beginning at page 20, after paragraph [0042]:

Figure 5 is a data flow diagram.

Please add the following new paragraphs beginning at page 20, after paragraph [0043]:

Figure 5 is a data flow diagram representing the overall processing steps of the present invention. For a representative series of randomly selected units of one homonymous lot of products (1), measurements are taken of spectral distributions of intensities of the light transmitted through or reflected by the specimen, as well as the specimen's luminescent light and Raman scattering values (2). Based upon measurement values, a signature (3) is produced for the batch of the known product of the known product specific brand of original manufacturer. This signature is entered into a data base (4) and, in the form of an easily readable cod (5), is allocated to a commercial package (6) of each unit of the product (7).

To check the authenticity of an unknown product (8). Packed in a container (6) with a card bearing the signature of the original manufacturer (5), measurements are taken of spectral distributions of the intensity of the light transmitted through or reflected by the specimen, as well as the specimen's luminescent light and Raman scattering values (9) for the product contained in the package and the signature for this product produced (10).

Then a comparison is made (11): the signature of the package contents (10) is compared with the signature read from the code allocated to the package (5) and the signature read from the database. If the signatures (5) and (10) match, this indicates that the product in the package explicitly corresponds to the product indicated on the package. Matching of all three signatures (4, 5, and 10) clearly guarantees that authenticity of the examined product and explicitly provides the affinity of the tested product with the trademark carried by the product. Matching of the above mentioned signatures also guarantees that the examined product contains no alien admixtures, including those that are potentially dangerous.

When it is necessary to examine the authenticity of an unknown product specimen that has no package and/or is not marked with a specific signature, the measurement is carried out of spectral distributions of intensities of the light transmitted through or reflected by the specimen, as well as the specimen's luminescent light and Raman scattering values (13) of the product specimens (12). The signature produced upon these data (14) is compared with signatures from the database (4). Based upon comparative results (15), a conclusion is made about the conformity of the examined product to a known lot of a specific manufacturer.